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| Mr. Michael T. Davis  Calculus | | Sections 4.3 & 4.4 Practice Quiz  February 27, 2017 | |
| Name: | |

1. Find  given 
2. Find  given 
3. Find  given 
4. A particle moves along the x-axis so that its position at any time  is given by . Find the velocity of the particle at  seconds.
5. A particle moves along the x-axis so that its position at any time  is given by . Find the velocity of the particle at  seconds.
6. Write an equation for the line tangent to the graph of  at the point .
7. A particle moves along the x-axis so that its position at any time  is given by  or . Show that the particle is always moving to the right.
8. Determine  given 
9. Determine  given 
10. Determine  given 
11. Determine  given 
12. Determine  given 
13. Determine  given 
14. Determine  given 
15. Determine  given 
16. Determine  given 
17. Determine  given 
18. Determine  given 
19. Determine  given 
20. Find the equations of the lines that are (a) tangent and (b) normal to the curve of  at the point 